

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
17 October 2002 (17.10.2002)

PCT

(10) International Publication Number  
WO 02/082799 A3(51) International Patent Classification<sup>7</sup>: H04N 1/41

(21) International Application Number: PCT/IB02/02484

(22) International Filing Date: 3 April 2002 (03.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/280,764 3 April 2001 (03.04.2001) US

(71) Applicants and

(72) Inventors: LEV, Tsvi, H. [IL/IL]; 11 Lessin Street, Apartment 6, 62997 Tel Aviv (IL). BAR-OR, Ofer [IL/IL]; Keren Kayemet 10, Givatayim, 53237 Givatayim (IL).

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

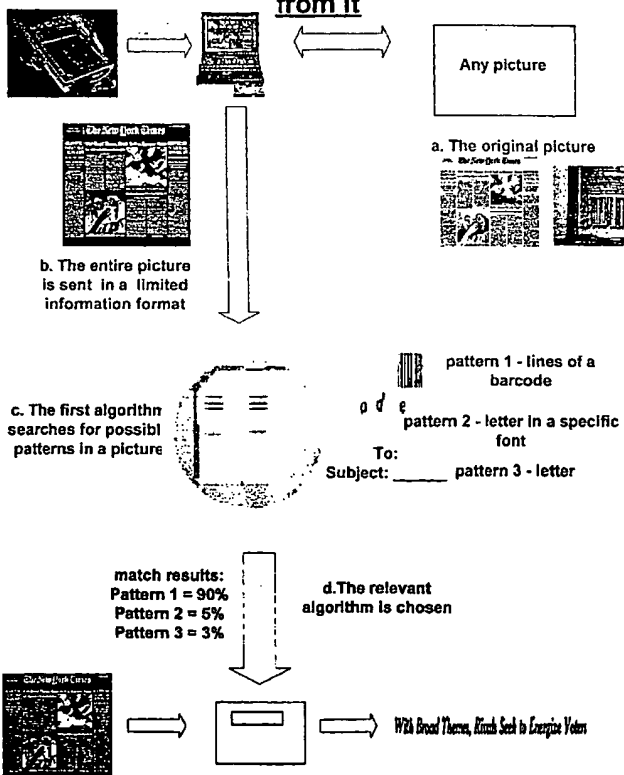
Published:

— with international search report

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,(88) Date of publication of the international search report:  
13 February 2003

[Continued on next page]

(54) Title: A METHOD FOR SELECTIVE IMAGE ACQUISITION AND TRANSMISSION

Determination of the relevant algorithm  
for a given image for extraction of an area  
from it

(57) Abstract: A method of transmitting an image is disclosed. The method comprises transmitting from a mobile imaging device an entire image at a first resolution. The transmitted image is received and characteristic patterns contained therein are determined. An appropriate imaging algorithm is selected in accordance with the determined characteristic patterns. The mobile imaging device is commanded to re-transmit certain portions of the entire image in accordance with the selected imaging algorithm. Finally the certain portions are retransmitted from the mobile imaging device at a second resolution, which is substantially higher than said first resolution.



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/02484

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04N1/41

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N G06F G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                      | Relevant to claim No. |
|------------|---|-----------------------|
| X          | US 5 724 579 A (TAKESHI SUZUKI)<br>3 March 1998 (1998-03-03)  | 2                     |
| A          | column 1, line 6 - line 61<br>column 6, line 17 - column 7, line 16<br>---  | 1,3-6                 |
| A          | US 5 615 324 A (SHOICHI KUBOYAMA)<br>25 March 1997 (1997-03-25)<br>column 1, line 39 - column 2, line 66<br>---<br>-/-- | 1-5                   |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

18 November 2002

Date of mailing of the international search report

26/11/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

De Roeck, A

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/02484

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | A. ENTGELMEIER ET AL.: "Brücken schlagen<br>- Entwicklung eines Framegrabber als<br>PCI-Einsteckkarte"<br>ELEKTRONIK,<br>vol. 47, no. 25,<br>8 December 1998 (1998-12-08), pages 70,<br>73-78, XP000876208<br>FRANZIS VERLAG GMBH. MUNCHEN., DE<br>ISSN: 0013-5658<br>page 74, left-hand column, line 11 - line<br>26<br>--- | 4                     |
| A          | EP 0 442 054 A (INTERNATIONAL BUSINESS<br>MACHINES CORPORATION)<br>21 August 1991 (1991-08-21)<br>column 7, line 41 -column 8, line 12<br>-----  | 2,6                   |

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/02484

| Patent document<br>cited in search report |   | Publication<br>date |    | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----|----------------------------|---------------------|
| US 5724579                                | A | 03-03-1998          | JP | 7245723 A                  | 19-09-1995          |
| US 5615324                                | A | 25-03-1997          | JP | 7262371 A                  | 13-10-1995          |
|   |   |                     | DE | 19507780 A1                | 21-09-1995          |
| EP 442054                                 | A | 21-08-1991          | US | 5038392 A                  | 06-08-1991          |
|   |   |                     | EP | 0442054 A2                 | 21-08-1991          |
|   |   |                     | EP | 0734146 A2                 | 25-09-1996          |
|   |   |                     | JP | 6139325 A                  | 20-05-1994          |

THIS PAGE BLANK (USPTO)